

Exam

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Divide.

- 1) $4 \overline{)5442}$ 1) _____
A) 1360 B) 1360 R3 C) 1360 R2 D) 1362

Answer: C
Diff: 0 Type: BI

- 2) $67 \overline{)6153}$ 2) _____
A) 94 R59 B) 91 C) 94 R5 D) 91 R56

Answer: D
Diff: 0 Type: BI

Write the decimal using numbers.

- 3) nine hundred seventeen thousandths 3) _____
A) 900.017 B) 0.917 C) 9170 D) 900.0017

Answer: B
Diff: 0 Type: BI

Perform the addition.

- 4) $2.65 + 8.357$ 4) _____
A) 11.107 B) 5.707 C) 11.007 D) -5.707

Answer: C
Diff: 0 Type: BI

- 5) 5) _____

$$\begin{array}{r} 794 \\ 46 \\ 7499 \\ 3 \\ + 725 \\ \hline \end{array}$$

- A) 9057 B) 9067 C) 8967 D) 7479

Answer: B
Diff: 0 Type: BI

Solve the problem.

- 6) If you save \$48.37 off the list price buying from a discount catalog, and the list price is \$139.18, what is the discount price? 6) _____
A) \$89.81 B) \$187.55 C) \$90.81 D) \$171.00

Answer: C
Diff: 0 Type: BI

First use front-end rounding to write an estimate of the answer, and then add the decimals to obtain an exact answer.

| | | | | |
|----|----------|---------|----|-------|
| 7) | Estimate | Problem | 7) | _____ |
| | | 21.85 | | |
| | | 12.9 | | |
| | + | + 9.2 | | |
| | _____ | _____ | | |

- A) Estimate: 39, exact: 33.95
C) Estimate: 39, exact: 43.95

- B) Estimate: 40, exact: 44.95
D) Estimate: 39, exact: 42.95

Answer: C
Diff: 0 Type: BI

Write the unit cost, rounded to the nearest cent.

- 8) If 19 books cost \$8.03, then one book costs \$0.4226. 8) _____
A) \$0.52 B) \$8.03 C) \$0.42 D) \$0.32

Answer: C
Diff: 0 Type: BI

Perform the subtraction.

9)
$$\begin{array}{r} 889 \\ - 14 \\ \hline \end{array}$$
 9) _____

- A) 875 B) 775 C) 867 D) 903

Answer: A
Diff: 0 Type: BI

Solve the problem.

- 10) A car rental company charges \$24 per day and \$0.50 per mile to rent a car. What is the total bill if a car is rented for 4 days and is driven 150 miles? 10) _____
A) \$171.00 B) \$21.00 C) \$3675.00 D) \$98.00

Answer: A
Diff: 0 Type: BI

Estimate by using front-end rounding.

11)
$$\begin{array}{r} 96 \\ 69 \\ 87 \\ 11 \\ + 48 \\ \hline \end{array}$$
 11) _____

- A) 320 B) 300 C) 311 D) 310

Answer: A
Diff: 0 Type: BI

Perform the multiplication.

$$\begin{array}{r} 0.0063 \\ 12) \times \quad 5.3 \\ \hline \end{array}$$

12) _____

A) 0.3339

B) 0.03339

C) 0.0003339

D) 0.003339

Answer: B

Diff: 0 Type: BI

Perform the addition.

$$\begin{array}{r} 13) 13.2 + 15.494 \\ \hline \end{array}$$

13) _____

A) -2.294

B) 28.694

C) 2.294

D) 28.794

Answer: B

Diff: 0 Type: BI

Perform the subtraction.

$$\begin{array}{r} 67,966 \\ 14) - 13,211 \\ \hline \end{array}$$

14) _____

A) 54,755

B) 54,733

C) 54,753

D) 57,755

Answer: A

Diff: 0 Type: BI

Perform the indicated operation.

$$\begin{array}{r} 15) 1599.12 \div 0.015 \quad (\text{Round to the nearest thousandths when necessary.}) \\ \hline \end{array}$$

15) _____

A) 10,660.85

B) 106,608

C) 10,660.8

D) 106,608.5

Answer: B

Diff: 0 Type: BI

Round the amount to the nearest cent.

$$16) \$7.886$$

16) _____

A) \$7.88

B) \$7.90

C) \$8.00

D) \$7.89

Answer: D

Diff: 0 Type: BI

Multiply, omitting zeros in the calculation and then replacing them at the right of the product to obtain the final answer.

$$\begin{array}{r} 17) \quad 75,000 \\ \times \quad 9000 \\ \hline \end{array}$$

17) _____

A) 675,000,000

B) 674,999,501

C) 674,999,000

D) 675,001,000

Answer: A

Diff: 0 Type: BI

Perform the subtraction.

$$18) \begin{array}{r} 687 \\ - 115 \\ \hline \end{array}$$

18) _____

- A) 572 B) 472 C) 562 D) 802

Answer: A

Diff: 0 Type: BI

Express the number in words.

19) 9,900,765

19) _____

- A) nine million, nine hundred thousand, seven hundred sixty-five
B) nine million, nine thousand, seven hundred sixty-five
C) nine million, ninety thousand, seven hundred sixty-five
D) nine million, nine hundred thousand, seven thousand, sixty-five

Answer: A

Diff: 0 Type: BI

Perform the multiplication.

$$20) \begin{array}{r} 0.027 \\ \times 7.5 \\ \hline \end{array}$$

20) _____

- A) 0 B) 7 C) 0.2025 D) 7.527

Answer: C

Diff: 0 Type: BI

Round the figure to the nearest dollar.

21) \$7,432,858.41

21) _____

- A) \$7,433,000 B) \$7,432,858 C) \$7,432,858.4 D) \$7,432,859

Answer: B

Diff: 0 Type: BI

Write the decimal using numbers.

22) seventeen and nine thousandths

22) _____

- A) 17.9 B) 17.0009 C) 17.009 D) 17.09

Answer: C

Diff: 0 Type: BI

Solve the problem.

23) Evelyn measured two rooms of her apartment and found that she needed 48.8 square meters of wallpaper for one room and 19.8 square meters for the other. How much wallpaper did she need?

23) _____

- A) 68.7 m² B) 137.2 m² C) 68.6 m² D) 78.6 m²

Answer: C

Diff: 0 Type: BI

Round the figure to the nearest dollar.

24) \$71,713.94

24) _____

- A) \$71,715 B) \$71,713.9 C) \$72,000 D) \$71,714

Answer: D

Diff: 0 Type: BI

Round the number as requested.

25) 71,004 to the nearest thousand

- A) 71,100 B) 71,000 C) 72,000 D) 71,010

25) _____

Answer: B

Diff: 0 Type: BI

Perform the addition.

26)

$$\begin{array}{r} 965 \\ 539 \\ + 121 \\ \hline \end{array}$$

26) _____

- A) 1615 B) 1605 C) 1625 D) 1612

Answer: C

Diff: 0 Type: BI

Find the gross pay at the given rate. Round to the nearest cent.

27) 22.3 hours at \$8.55 per hour

- A) \$199.22 B) \$195.67 C) \$182.12 D) \$190.67

27) _____

Answer: D

Diff: 0 Type: BI

First use front-end rounding to write an estimate of the answer, and then multiply fully to obtain an exact answer.

28) Estimate Problem

$$\begin{array}{r} \times \\ \hline \end{array} \quad \begin{array}{r} 9.1 \\ \times 36 \\ \hline \end{array}$$

28) _____

- A) Estimate: 36, exact: 32.76 B) Estimate: 361, exact: 328.6
C) Estimate: 360, exact: 327.6 D) Estimate: 359, exact: 326.6

Answer: C

Diff: 0 Type: BI

Multiply.

29) $\begin{array}{r} 8438 \\ \times 286 \\ \hline \end{array}$

29) _____

- A) 2,412,268 B) 2,413,268 C) 2,413,368 D) 2,423,268

Answer: B

Diff: 0 Type: BI

Solve the problem.

30) A country club wants to provide seating for 156 people in its banquet room. If the club has 10 tables that seat 6 people, how many tables does it need that seat 4 people? 30) _____

- A) 23 tables B) 26 tables C) 25 tables D) 24 tables

Answer: D

Diff: 0 Type: BI

Perform the indicated operation.

31) $2.268 \div 6.5$ (Round to the nearest hundredths when necessary.)

- A) 0.04 B) 0.85 C) 0.35 D) 0.09

31) _____

Answer: C

Diff: 0 Type: BI

Perform the multiplication.

32) $\begin{array}{r} 670 \\ \times 0.218 \\ \hline \end{array}$

- A) 146.171 B) 146.06 C) 146.16 D) 146.17

32) _____

Answer: B

Diff: 0 Type: BI

Estimate by using front-end rounding.

33) $\begin{array}{r} 77 \\ \times 24 \\ \hline \end{array}$

- A) 1850 B) 100 C) 1848 D) 1600

33) _____

Answer: D

Diff: 0 Type: BI

Solve the problem.

34) Each gallon of shingle stain covers 120 square feet. How many gallons are needed to cover 480 square feet?

- A) 2 gal B) 5 gal C) 3 gal D) 4 gal

34) _____

Answer: D

Diff: 0 Type: BI

35) During one year 13 new employees started working at McIntosh Manufacturing Company. At the beginning of the year there are 324 employees in the factory and 41 employees in the office. What is the total number of employees at the end of the year?

- A) 378 employees B) 365 employees C) 352 employees D) 54 employees

35) _____

Answer: A

Diff: 0 Type: BI

Round the number to the nearest thousandth, nearest hundredth, and nearest tenth. Remember to round from the original number.

36) 955.847

- A) 955.847, 955.85, 955 B) 955.847, 955.84, 956
C) 955.847, 955.85, 955.8 D) 955.85, 955.8, 955

36) _____

Answer: C

Diff: 0 Type: BI

Estimate by using front-end rounding.

$$\begin{array}{r} 593 \\ 37) \underline{- 348} \end{array}$$

37) _____

- A) 240 B) 300 C) 200 D) 245

Answer: B

Diff: 0 Type: BI

Solve the problem.

38) Jennifer has \$868.25 in her savings account. If she withdraws \$59.35, what is the new balance in her account?

38) _____

- A) \$927.60 B) \$808.90 C) \$809.25 D) \$927.25

Answer: B

Diff: 0 Type: BI

Write the decimal using numbers.

39) six and nineteen thousandths

39) _____

- A) 6.019 B) 6.19 C) 6.0019 D) 619

Answer: A

Diff: 0 Type: BI

Perform the subtraction.

$$\begin{array}{r} 65 \\ 40) \underline{- 23} \end{array}$$

40) _____

- A) 36 B) 52 C) 88 D) 42

Answer: D

Diff: 0 Type: BI

Solve the problem.

41) The city bridge has 3 lanes, all carrying equal numbers of cars. If 156 cars drive across the bridge, how many cars cross in each lane?

41) _____

- A) 55 cars B) 53 cars C) 159 cars D) 52 cars

Answer: D

Diff: 0 Type: BI

Round the number to the nearest thousandth, nearest hundredth, and nearest tenth. Remember to round from the original number.

42) 3.883

42) _____

- A) 3.883, 3.88, 3.9 B) 3.883, 3.90, 4 C) 3.88, 3.8, 3 D) 3.884, 3.88, 3.8

Answer: A

Diff: 0 Type: BI

Rewrite the number as indicated.

- 43) A company had net revenues of \$7,500,165 in one year. Write this number using words. 43) _____
- A) seven million, five thousand, one hundred sixty-five
 - B) seven million, five hundred thousand, one hundred sixty-five
 - C) seven million, fifty thousand, one hundred sixty-five
 - D) seven million, five hundred thousand, one thousand, sixty-five

Answer: B
Diff: 0 Type: BI

Divide, dropping zeros from the divisor.

- 44) $70 \overline{)5960}$ 44) _____
- A) 86
 - B) 85
 - C) 85 R10
 - D) 85 R60

Answer: C
Diff: 0 Type: BI

Multiply.

- 45) $\begin{array}{r} 3030 \\ \times 3700 \\ \hline \end{array}$ 45) _____
- A) 11,212,000
 - B) 11,210,000
 - C) 11,211,000
 - D) 11,221,000

Answer: C
Diff: 0 Type: BI

Solve the problem.

- 46) Ray's gross pay is \$322.90 a week. \$46 is withheld for federal income tax, \$24.25 for FICA tax, and \$11.30 for other deductions. How much of his pay is left? 46) _____
- A) \$231.35
 - B) \$404.45
 - C) \$81.55
 - D) \$241.35

Answer: D
Diff: 0 Type: BI

Write the decimal using numbers.

- 47) seven hundred eleven ten-thousandths 47) _____
- A) 0.0711
 - B) 0.711
 - C) 700.0011
 - D) 700.011

Answer: A
Diff: 0 Type: BI

Solve the problem.

- 48) If you save \$24.26 by buying an item from a discount catalog when the list price is \$123.85, what is the discount price? 48) _____
- A) \$99.59
 - B) \$148.01
 - C) \$98.59
 - D) \$148.11

Answer: A
Diff: 0 Type: BI

- 49) Jake has a cable that is 85 feet long. He wants to cut it into pieces that are 8.5 feet long. How many 8.5-foot pieces will he get from the cable? 49) _____
- A) 10 pieces
 - B) 100 pieces
 - C) 9 pieces
 - D) 11 pieces

Answer: A
Diff: 0 Type: BI

50) A stockbroker bought 25 shares of stock for \$45.31 each. What was the total amount of the purchase? 50) _____
 A) \$1132.75 B) \$1132.86 C) \$1132.65 D) \$1132.85
 Answer: A
 Diff: 0 Type: BI

51) It took three assembly-line workers 3.37 seconds, 8.341 seconds, and 7.8 seconds to assemble a product. How many seconds in all did they work? 51) _____
 A) 11.17 sec B) 19.511 sec C) 11.711 sec D) 12.771 sec
 Answer: B
 Diff: 0 Type: BI

First use front-end rounding to write an estimate of the answer, and then multiply fully to obtain an exact answer.

52) Estimate Problem 52) _____

$$\begin{array}{r} \times \quad \quad \quad \quad \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} \times \quad 5 \\ \hline \end{array}$$

 A) Estimate: 4, exact: 9 B) Estimate: 0.4, exact: 9.9
 C) Estimate: 10, exact: 30 D) Estimate: 1, exact: 1
 Answer: C
 Diff: 0 Type: BI

Estimate by using front-end rounding.

53) $\begin{array}{r} 456 \\ \times 568 \\ \hline \end{array}$ 53) _____
 A) 259,008 B) 259,000 C) 300,000 D) 1100
 Answer: C
 Diff: 0 Type: BI

Solve the problem.

54) A baby weighed 7 pounds at birth and gained 2 pounds a month. How much did the baby gain in 3 months? 54) _____
 A) 12 lb B) 27 lb C) 6 lb D) 13 lb
 Answer: C
 Diff: 0 Type: BI

55) Corn production increased 4,000 pounds over last year on Steve's farm. Last year the farm produced 44,000 pounds. How much corn did Steve's farm produce this year? 55) _____
 A) 56,000 lb B) 41,000 lb C) 48,000 lb D) 40,000 lb
 Answer: C
 Diff: 0 Type: BI

Round the number as requested.

56) 3477 to the nearest ten 56) _____
 A) 3490 B) 3470 C) 3480 D) 3580
 Answer: C
 Diff: 0 Type: BI

Solve the problem.

57) June has a strip of paper 37.2 inches long. She wants to cut it into strips that are 6.2 inches long. How many 6.2-inch strips will she get from the paper?

- A) 7 pieces B) 6 pieces C) 60 pieces D) 5 pieces

Answer: B

Diff: 0 Type: BI

57) _____

Round the figure to the nearest dollar.

58) \$9555.93

- A) \$9555 B) \$9555.9 C) \$9556 D) \$9555.93

Answer: C

Diff: 0 Type: BI

58) _____

Round the amount to the nearest cent.

59) \$5.9494

- A) \$5.94 B) \$5.949 C) \$6.05 D) \$5.95

Answer: D

Diff: 0 Type: BI

59) _____

Round the figure to the nearest dollar.

60) \$242.85

- A) \$241.85 B) \$242 C) \$243 D) \$242.80

Answer: C

Diff: 0 Type: BI

60) _____

Perform the multiplication.

61)
$$\begin{array}{r} 0.087 \\ \times 0.59 \\ \hline \end{array}$$

- A) 0.005133 B) 5.133 C) 0.0005133 D) 0.05133

Answer: D

Diff: 0 Type: BI

61) _____

Round the number as requested.

62) 6013 to the nearest hundred

- A) 6000 B) 6010 C) 5900 D) 6100

Answer: A

Diff: 0 Type: BI

62) _____

Divide.

63)
$$6 \overline{)3092}$$

- A) 515 B) 515 R1 C) 515 R2 D) 514 R8

Answer: C

Diff: 0 Type: BI

63) _____

First use front-end rounding to write an estimate of the answer, and then add the decimals to obtain an exact answer.

64) Estimate Problem

64) _____

$$\begin{array}{r} 604.46 \\ 4.04 \\ + \underline{\hspace{2cm}} \\ + 4669.46 \end{array}$$

A) Estimate: 5604, exact: 5277.86

B) Estimate: 5604, exact: 5267.86

C) Estimate: 5604, exact: 4277.96

D) Estimate: 5604, exact: 5277.96

Answer: D

Diff: 0 Type: BI

Perform the addition.

65)

65) _____

$$\begin{array}{r} 4560 \\ 150 \\ + 1507 \\ \hline \end{array}$$

A) 5917

B) 1647

C) 6117

D) 6217

Answer: D

Diff: 0 Type: BI

Perform the multiplication.

$$66) \begin{array}{r} 0.005 \\ \times 0.5 \\ \hline \end{array}$$

66) _____

A) 0.0025

B) 0.000025

C) 0.00025

D) 0.025

Answer: A

Diff: 0 Type: BI

Solve the problem.

67) The following chart shows HealthTech's monthly sales by region for each of the first six months of the year. 67) _____

| Region | Jan | Feb | Mar | Apr | May | Jun | Totals |
|---------|----------|----------|----------|----------|----------|----------|--------|
| East | \$89,608 | \$60,927 | \$75,873 | \$64,066 | \$68,331 | \$81,440 | |
| Midwest | \$50,638 | \$39,776 | \$56,977 | \$57,120 | \$49,908 | \$48,487 | |
| West | \$62,368 | \$56,067 | \$68,417 | \$52,135 | \$56,934 | \$56,816 | |
| Totals | | | | | | | |

A)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|-----------|-----------|-----------|-----------|-----------|-----------|-------------|
| | | | | | | \$440,245 |
| | | | | | | \$302,906 |
| | | | | | | \$352,737 |
| \$202,614 | \$156,770 | \$201,267 | \$173,321 | \$175,173 | \$186,743 | \$1,095,888 |

B)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | \$358,805 |
| | | | | | | \$254,419 |
| | | | | | | \$295,921 |
| \$202,614 | \$156,770 | \$201,267 | \$173,321 | \$175,173 | \$186,743 | \$909,145 |

C)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|-----------|-----------|-----------|-----------|-----------|-----------|-------------|
| | | | | | | \$441,245 |
| | | | | | | \$303,906 |
| | | | | | | \$353,737 |
| \$202,614 | \$156,770 | \$201,267 | \$173,321 | \$175,173 | \$186,743 | \$1,098,888 |

D)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|-----------|-----------|-----------|-----------|-----------|-----------|-------------|
| | | | | | | \$439,245 |
| | | | | | | \$301,906 |
| | | | | | | \$351,737 |
| \$202,614 | \$156,770 | \$201,267 | \$173,321 | \$175,173 | \$186,743 | \$1,092,888 |

Answer: A

Diff: 0 Type: BI

68) How much money is saved at a \$68.75 discount price rather than a \$96.14 list price? 68) _____

- A) \$28.49 B) \$27.49 C) \$28.39 D) \$27.39

Answer: D

Diff: 0 Type: BI

Write the decimal in words.

69) 5.00208 69) _____

- A) five and twenty thousand eight hundredths
 B) five and twenty-eight hundred-thousandths
 C) five and two hundred eight hundred-thousandths
 D) five and two hundred eight ten-thousandths

Answer: C

Diff: 0 Type: BI

Perform the indicated operation.

- 70) $17 \overline{)124.413}$ (Round to the nearest hundredths when necessary.) 70) _____
A) 0.78 B) 7.82 C) 7.32 D) 0.73

Answer: C

Diff: 0 Type: BI

Solve the problem.

- 71) Brandy's Gift House pays employees for each gift they gift wrap. Assume they are paid as follows: 71) _____

| | |
|-----------------|-------------|
| gifts 1-10 | \$2.00 each |
| gifts 11-15 | \$2.50 each |
| gifts 16 and up | \$3.00 each |

If Lee wraps 15 gifts, what are her gross earnings?

- A) \$37.50 B) \$32.50 C) \$35.00 D) \$30.00

Answer: B

Diff: 0 Type: BI

Find the gross pay at the given rate. Round to the nearest cent.

- 72) 10.4 hours at \$6.70 per hour and 5.0 hours at \$12.28 per hour 72) _____
A) \$141.08 B) \$121.08 C) \$131.08 D) \$141.18

Answer: C

Diff: 0 Type: BI

Perform the addition.

- 73) 73) _____
$$\begin{array}{r} 93 \\ 84 \\ + 11 \\ \hline \end{array}$$

- A) 188 B) 178 C) 189 D) 192

Answer: A

Diff: 0 Type: BI

Perform the indicated operation.

- 74) $5.95 \div 0.07$ 74) _____
A) 85 B) 8.5 C) 74 D) 86

Answer: A

Diff: 0 Type: BI

Solve the problem.

- 75) Carla's gross pay is \$138 a week. \$13 was withheld for federal income tax, \$10 for FICA tax, and \$5 for other deductions. How much of her pay is left? 75) _____

- A) \$120 B) \$166 C) \$110 D) \$28

Answer: C

Diff: 0 Type: BI

Rewrite the number as indicated.

- 76) A certain exotic sports car costs three hundred twelve thousand, four hundred ninety-two dollars. Rewrite the number using digits. 76) _____
A) 3,204,920 B) 31,242 C) 312,492,000 D) 312,492

Answer: D
Diff: 0 Type: BI

Solve the problem.

- 77) Each year, 553 people move from Babbittown. How many people have moved from the town in 10 years? 77) _____
A) 5540 people B) 5430 people C) 5530 people D) 6083 people

Answer: C
Diff: 0 Type: BI

Perform the indicated operation.

- 78) $20.16 \div 3.2$ 78) _____
A) 0.63 B) 6.3 C) 63 D) 7.3

Answer: B
Diff: 0 Type: BI

Estimate by using front-end rounding.

- 79) $\begin{array}{r} 87 \\ -53 \\ \hline \end{array}$ 79) _____
A) 40 B) 34 C) 140 D) 30

Answer: A
Diff: 0 Type: BI

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Provide an appropriate response.

- 80) Explain why you would use zeros to fill in for missing digits to the right of the decimal point when adding or subtracting decimals. 80) _____

Answer: It helps reduce errors by making it easier to see which column a digit is in.
Diff: 0 Type: SA

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve the problem.

- 81) The following chart shows a book publisher's monthly sales by book category for the first quarter of the year. Complete the totals by adding horizontally and vertically. 81) _____

| | Jan | Feb | Mar | Totals |
|---------|------|------|------|--------|
| Math | 7529 | 7013 | 5007 | |
| Science | 5103 | 6639 | 7859 | |
| English | 7935 | 7910 | 4366 | |
| History | 7880 | 4696 | 5822 | |
| Totals | | | | |

A)

| Jan | Feb | Mar | Totals |
|--------|--------|--------|--------|
| | | | 19,549 |
| | | | 19,501 |
| | | | 20,211 |
| | | | 18,498 |
| 28,547 | 26,158 | 23,054 | 77,759 |

B)

| Jan | Feb | Mar | Totals |
|--------|--------|--------|--------|
| | | | 19,549 |
| | | | 19,501 |
| | | | 20,211 |
| | | | 18,398 |
| 28,447 | 26,158 | 23,054 | 77,659 |

C)

| Jan | Feb | Mar | Totals |
|--------|--------|--------|--------|
| | | | 19,549 |
| | | | 19,501 |
| | | | 20,211 |
| | | | 18,498 |
| 28,447 | 26,158 | 23,154 | 77,759 |

D)

| Jan | Feb | Mar | Totals |
|--------|--------|--------|--------|
| | | | 19,549 |
| | | | 19,601 |
| | | | 20,211 |
| | | | 18,398 |
| 28,447 | 26,258 | 23,054 | 77,759 |

Answer: D

Diff: 0 Type: BI

First use front-end rounding to write an estimate of the answer, and then multiply fully to obtain an exact answer.

- 82) Estimate Problem 82) _____

$$\begin{array}{r} 27.5 \\ \times 4.5 \\ \hline \end{array}$$

A) Estimate: 150, exact: 124.75

B) Estimate: 150, exact: 123.75

C) Estimate: 15, exact: 12.375

D) Estimate: 15, exact: 12.475

Answer: B

Diff: 0 Type: BI

Write the decimal using numbers.

- 83) three million, five hundred and eighteen ten-thousandths 83) _____

A) 3500.0018

B) 3,000,500.0018

C) 3,000,500.018

D) 0.00300518

Answer: B

Diff: 0 Type: BI

Round the figure to the nearest dollar.

- 84) \$593.36 84) _____

A) \$593.36

B) \$594

C) \$593

D) \$593.40

Answer: C

Diff: 0 Type: BI

Divide.

85) $36 \overline{)642}$

A) 17

B) 16 R27

C) 17 R30

D) 15 R7

85) _____

Answer: C

Diff: 0 Type: BI

Write the decimal using numbers.

86) six and thirteen hundredths

A) 6.13

B) 6.013

C) 613

D) 6.0013

86) _____

Answer: A

Diff: 0 Type: BI

Perform the addition.

87) $7.631 + 1.879$

A) 9.61

B) 5.752

C) 9.51

D) -5.752

87) _____

Answer: C

Diff: 0 Type: BI

Round the number as requested.

88) 5438 to the nearest thousand

A) 6000

B) 5100

C) 4900

D) 5000

88) _____

Answer: D

Diff: 0 Type: BI

Solve the problem.

89) On a normal week day the vending machines at Green Lake College dispense 1200 sodas, 420 candy bars, 510 snack items, and 210 cups of coffee. If it takes Jim Lewis six hours to restock the vending machines, how many items does he restock each hour?

A) 390 items

B) 320 items

C) 305 items

D) 780 items

89) _____

Answer: A

Diff: 0 Type: BI

Round the number to the nearest thousandth, nearest hundredth, and nearest tenth. Remember to round from the original number.

90) 68.242

A) 68.243, 68.25, 69

C) 68.24, 68.2, 68

B) 68.242, 68.24, 68.2

D) 68.25, 68.3, 69

90) _____

Answer: B

Diff: 0 Type: BI

Write the decimal in words.

91) .47

A) forty-seven hundredths

C) forty-seven tenths

B) forty-seven thousandths

D) forty-seven millionths

91) _____

Answer: A

Diff: 0 Type: BI

Estimate by using front-end rounding.

92)

$$\begin{array}{r} 5194 \\ 53 \\ 933 \\ + 9322 \\ \hline \end{array}$$

A) 15,502

B) 15,490

C) 15,500

D) 14,950

Answer: D

Diff: 0 Type: BI

92) _____

Divide, dropping zeros from the divisor.

93) $60 \overline{) 2790}$

A) 49

B) 46 R30

C) 46 R50

D) 46

Answer: B

Diff: 0 Type: BI

93) _____

94) $30 \overline{) 480}$

A) 16

B) 6

C) 17

D) 7

Answer: A

Diff: 0 Type: BI

94) _____

Perform the indicated operation.

95) $38 \overline{) 8.77}$ (Round to the nearest hundredths when necessary.)

A) 0.02

B) 0.07

C) 0.73

D) 0.23

Answer: D

Diff: 0 Type: BI

95) _____

Write the unit cost, rounded to the nearest cent.

96) If 9 compact discs cost \$151.27, then one compact disc costs \$16.8078.

A) \$16.71

B) \$151.27

C) \$16.81

D) \$16.91

Answer: C

Diff: 0 Type: BI

96) _____

Solve the problem.

97) A bakery sold 24 pies for \$3.52 each. What was the total amount of the sale?

A) \$84.58

B) \$84.48

C) \$85.58

D) \$84.49

Answer: B

Diff: 0 Type: BI

97) _____

Divide.

98) $2 \overline{) 62}$

A) 32

B) 31

C) 21

D) 22

Answer: B

Diff: 0 Type: BI

98) _____

Write the decimal using numbers.

99) nine hundred and fourteen ten-thousandths

A) 900.014

B) 900.0014

C) 0.0914

D) 0.914

99) _____

Answer: B

Diff: 0 Type: BI

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Provide an appropriate response.

100) Explain the difference between terminating and repeating decimals.

100) _____

Answer: The division of the numerator and denominator of a fraction terminates by giving a remainder of 0 as you carry out the division. A repeating decimal has one or more digits repeat over and over as you carry out the division.

Diff: 0 Type: SA

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve the problem.

101) During one year 19 new employees started working at Macintosh Manufacturing Company. At the beginning of the year there are 200 employees in the factory and 36 employees in the office. What is the total number of employees at the end of the year?

101) _____

A) 55 employees

B) 236 employees

C) 217 employees

D) 255 employees

Answer: D

Diff: 0 Type: BI

Multiply.

$$102) \begin{array}{r} 908 \\ \times 300 \\ \hline \end{array}$$

102) _____

A) 273,400

B) 282,400

C) 271,400

D) 272,400

Answer: D

Diff: 0 Type: BI

Solve the problem.

103) The following chart shows Tech Support Inc. monthly sales by region for each of the first six months of the year.

103) _____

| Region | Jan | Feb | Mar | Apr | May | Jun | Totals |
|---------|----------|----------|----------|----------|----------|----------|--------|
| East | \$44,980 | \$47,501 | \$37,579 | \$47,321 | \$40,100 | \$37,428 | |
| Midwest | \$38,473 | \$44,226 | \$38,264 | \$43,100 | \$47,536 | \$52,002 | |
| West | \$30,604 | \$50,592 | \$74,058 | \$37,252 | \$56,519 | \$44,935 | |
| Totals | | | | | | | |

A)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | \$253,909 |
| | | | | | | \$262,601 |
| | | | | | | \$292,960 |
| \$114,057 | \$142,319 | \$149,901 | \$127,673 | \$144,155 | \$134,365 | \$809,470 |

B)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | \$255,909 |
| | | | | | | \$264,601 |
| | | | | | | \$294,960 |
| \$114,057 | \$142,319 | \$149,901 | \$127,673 | \$144,155 | \$134,365 | \$815,470 |

C)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | \$254,909 |
| | | | | | | \$263,601 |
| | | | | | | \$293,960 |
| \$114,057 | \$142,319 | \$149,901 | \$127,673 | \$144,155 | \$134,365 | \$812,470 |

D)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | \$217,481 |
| | | | | | | \$211,599 |
| | | | | | | \$249,025 |
| \$114,057 | \$142,319 | \$149,901 | \$127,673 | \$144,155 | \$134,365 | \$678,105 |

Answer: C

Diff: 0 Type: BI

Perform the indicated operation.

104) $0.576 \div 72$

104) _____

A) 0.0079

B) 0.007

C) 0.008

D) 0.009

Answer: C

Diff: 0 Type: BI

Solve the problem.

105) If the list price is \$133.24 and the discount price is \$97.28, how much is saved by buying at discount?

105) _____

A) \$35.96

B) \$45.96

C) \$36.96

D) \$46.96

Answer: A

Diff: 0 Type: BI

Estimate by using front-end rounding.

106)

$$\begin{array}{r} 960 \\ 513 \\ 493 \\ 656 \\ + 424 \\ \hline \end{array}$$

106) _____

A) 3050

B) 3100

C) 3046

D) 3000

Answer: B

Diff: 0 Type: BI

Perform the addition.

107) $26.84 + 2.85 + 0.0492 + 0.729$

A) 30.3698

B) 30.4682

C) 24.6698

D) 24.7682

107) _____

Answer: B

Diff: 0 Type: BI

Perform the multiplication.

108) $\begin{array}{r} 0.209 \\ \times 0.9 \\ \hline \end{array}$

108) _____

A) 1.881

B) 0.001881

C) 18.81

D) 0.1881

Answer: D

Diff: 0 Type: BI

Round the number as requested.

109) 29,310 to the nearest thousand

A) 29,000

B) 29,100

C) 39,000

D) 30,000

109) _____

Answer: A

Diff: 0 Type: BI

Perform the multiplication.

110) $\begin{array}{r} 4.3 \\ \times 708 \\ \hline \end{array}$

110) _____

A) 3044.5

B) 3044.51

C) 3044.4

D) 3045.5

Answer: C

Diff: 0 Type: BI

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Provide an appropriate response.

111) Why don't you have to line up decimal points in a vertical column when multiplying decimals?

111) _____

Answer: The number of decimal places in the product is found by adding the number of decimal places in each factor.

Diff: 0 Type: SA

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve the problem.

- 112) The pharmacist mixed 5.61 grams of one drug with 3.347 grams of another drug. What was the weight of the mixture? 112) _____
A) 8.957 g B) 10.057 g C) 6.694 g D) 11.22 g

Answer: A

Diff: 0 Type: BI

Write the decimal using numbers.

- 113) three tenths 113) _____
A) 0.3 B) 30 C) 0.003 D) 0.03

Answer: A

Diff: 0 Type: BI

Perform the multiplication.

- 114)
$$\begin{array}{r} 0.05 \\ \times 0.06 \\ \hline \end{array}$$
 114) _____
A) 0.3 B) 0.003 C) 0.03 D) 0.00003

Answer: B

Diff: 0 Type: BI

Solve the problem.

- 115) A manager of a local restaurant had a bank balance of \$3958.68 on October 1. During October, the manager deposited \$56,534.29 received from sales, \$2141.98 received as credits from suppliers, and \$78.76 as a county tax refund. He paid out \$24,026.08 to suppliers, \$4341.38 for rent and utilities, and \$10,345.81 for salaries. How much did the manager deposit in October? How much did the manager pay out? 115) _____
A) Deposits: \$62,713.71 B) Deposits: \$58,755.03
Paid out: \$38,713.27 Paid out: \$38,713.27
C) Deposits: \$62,713.71 D) Deposits: \$58,755.03
Paid out: \$34,754.59 Paid out: \$34,754.59

Answer: B

Diff: 0 Type: BI

Round the number as requested.

- 116) 326 to the nearest hundred 116) _____
A) 200 B) 400 C) 310 D) 300

Answer: D

Diff: 0 Type: BI

Perform the addition.

- 117) $24.9 + 4.71 + 0.61$ 117) _____
A) 29 B) 20.8 C) 30.22 D) 19.58

Answer: C

Diff: 0 Type: BI

- 118) $13.52 + 10.224$ 118) _____
A) -3.296 B) 3.296 C) 23.844 D) 23.744
Answer: D
Diff: 0 Type: BI

Round the number as requested.

- 119) 6752 to the nearest thousand 119) _____
A) 6890 B) 7000 C) 8000 D) 7100
Answer: B
Diff: 0 Type: BI

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Provide an appropriate response.

- 120) Explain how you multiply a decimal number by a power of ten. 120) _____
Answer: Move the decimal point to the right the number of places equal to the number of zeros in the power of ten.
Diff: 0 Type: SA

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve the problem.

- 121) Ultimate Lighting Company, based in the United States, has 16 employees in Belgium, 463 employees in Hong Kong, 62 employees in Argentina, and 39 employees in Australia. What is the total number of employees working outside of the United States? 121) _____
A) 570 employees B) 564 employees C) 581 employees D) 580 employees
Answer: D
Diff: 0 Type: BI

- 122) Jack borrowed \$300 from his brother. Jack's brother wants 6 monthly payments of \$80 to repay the loan. How much extra is Jack's brother charging for the loan? 122) _____
A) \$180 B) \$100 C) \$580 D) \$480
Answer: A
Diff: 0 Type: BI

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Provide an appropriate response.

- 123) Why must decimal points be lined up in division of decimals? 123) _____
Answer: It keeps digits with like place values in the same column. This is important because you subtract in division, and like named digits must be in the same column.
Diff: 0 Type: SA

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Perform the addition.

- 124) $6 + 2.665$ 124) _____
A) 8.765 B) -3.335 C) 3.335 D) 8.665
Answer: D
Diff: 0 Type: BI

Solve the problem.

125) Scrambled Electronics will finance a \$245 TV set for \$50 down and \$37.23 a month for 6 months. How much money can you save by paying cash for the TV set? 125) _____

- A) \$273.38 B) \$28.38 C) \$71.62 D) \$21.62

Answer: B

Diff: 0 Type: BI

Perform the subtraction.

126)
$$\begin{array}{r} 6666 \\ - 412 \\ \hline \end{array}$$

126) _____

- A) 6230 B) 6254 C) 6250 D) 254

Answer: B

Diff: 0 Type: BI

Multiply.

127)
$$\begin{array}{r} 746 \\ \times 59 \\ \hline \end{array}$$

127) _____

- A) 44,004 B) 44,114 C) 44,014 D) 44,024

Answer: C

Diff: 0 Type: BI

Solve the problem.

128) The stock market gained 6 points on Monday. It had closed the previous Friday at 2505 points. How many points did the market close at on Monday? 128) _____

- A) 2511 points B) 2513 points C) 2498 points D) 2499 points

Answer: A

Diff: 0 Type: BI

Find the gross pay at the given rate. Round to the nearest cent.

129) 21.4 hours at \$9.25 per hour

129) _____

- A) \$207.20 B) \$188.70 C) \$202.95 D) \$197.95

Answer: D

Diff: 0 Type: BI

Solve the problem.

130) A salesperson earned \$325 a week plus a bonus of \$21 for each service contract sold. What is the weekly pay if 6 service contracts were sold? 130) _____

- A) \$126 B) \$325 C) \$451 D) \$551

Answer: C

Diff: 0 Type: BI

Multiply, omitting zeros in the calculation and then replacing them at the right of the product to obtain the final answer.

131)

$$\begin{array}{r} 1400 \\ \times 500 \\ \hline \end{array}$$

131) _____

A) 699,000

B) 699,501

C) 701,000

D) 700,000

Answer: D

Diff: 0 Type: BI

Estimate by using front-end rounding.

$$\begin{array}{r} 251 \\ 132) - 102 \\ \hline \end{array}$$

132) _____

A) 100

B) 200

C) 400

D) 149

Answer: B

Diff: 0 Type: BI

Round the number to the nearest thousandth, nearest hundredth, and nearest tenth. Remember to round from the original number.

133) 0.9077

A) 0.908, 0.91, 0.9

C) 0.9077, 0.907, 0.90

B) 0.908, 0.90, 1

D) 0.907, 0.90, 0.9

133) _____

Answer: A

Diff: 0 Type: BI

Express the number in words.

134) 84,305

A) eighty thousand, three hundred five

C) eighty-four thousand, three hundred fifty

B) eighty thousand, four hundred thirty five

D) eighty-four thousand, three hundred five

134) _____

Answer: D

Diff: 0 Type: BI

Round the amount to the nearest cent.

135) \$8.82649

A) \$8.826

B) \$8.84

C) \$8.83

D) \$8.82

135) _____

Answer: C

Diff: 0 Type: BI

Solve the problem.

136) Sales at Andrea's Formal Wear Shop were \$915 this week. This is \$175 less than the sales last week.

What were last week's sales?

A) \$1101

B) \$740

C) \$1090

D) \$1079

136) _____

Answer: C

Diff: 0 Type: BI

Multiply.

$$137) \begin{array}{r} 14,224 \\ \times 293 \\ \hline \end{array}$$

137) _____

A) 4,167,632

B) 4,177,632

C) 4,167,732

D) 4,166,632

Answer: A

Diff: 0 Type: BI

Solve the problem.

138) One cook can make enough food for 350 people a night. How many cooks are needed to feed 2450 people a night?

138) _____

A) 6 cooks

B) 8 cooks

C) 7 cooks

D) 5 cooks

Answer: C

Diff: 0 Type: BI

139) The following chart shows Maid-for-You's monthly sales by salesperson for each of the first six months of the year.

139) _____

| Salesperson | Jan | Feb | Mar | Apr | May | Jun | Totals |
|-------------|----------|----------|----------|----------|----------|----------|--------|
| Kathy | \$24,246 | \$20,727 | \$20,828 | \$23,482 | \$15,258 | \$17,346 | |
| Brenda | \$26,631 | \$28,873 | \$29,140 | \$27,473 | \$29,173 | \$26,604 | |
| Gesela | \$31,494 | \$36,752 | \$34,016 | \$37,081 | \$30,079 | \$39,906 | |
| Totals | | | | | | | |

A)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|----------|----------|----------|----------|----------|----------|-----------|
| | | | | | | \$122,887 |
| | | | | | | \$168,894 |
| | | | | | | \$210,328 |
| \$82,371 | \$86,352 | \$83,984 | \$88,036 | \$74,510 | \$83,856 | \$502,109 |

B)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|----------|----------|----------|----------|----------|----------|-----------|
| | | | | | | \$120,887 |
| | | | | | | \$166,894 |
| | | | | | | \$208,328 |
| \$82,371 | \$86,352 | \$83,984 | \$88,036 | \$74,510 | \$83,856 | \$496,109 |

C)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|----------|----------|----------|----------|----------|----------|-----------|
| | | | | | | \$121,887 |
| | | | | | | \$167,894 |
| | | | | | | \$209,328 |
| \$82,371 | \$86,352 | \$83,984 | \$88,036 | \$74,510 | \$83,856 | \$499,109 |

D)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|----------|----------|----------|----------|----------|----------|-----------|
| | | | | | | \$104,541 |
| | | | | | | \$141,290 |
| | | | | | | \$169,422 |
| \$82,371 | \$86,352 | \$83,984 | \$88,036 | \$74,510 | \$83,856 | \$415,253 |

Answer: C

Diff: 0 Type: BI

Perform the subtraction.

$$\begin{array}{r} 7699 \\ 140) \underline{- 2252} \end{array}$$

140) _____

- A) 5343 B) 7447 C) 5443 D) 5447

Answer: D

Diff: 0 Type: BI

Solve the problem.

141) A travel agent arranged a payment plan for a client. It required a down payment of \$300 and 12 monthly payments of \$567. What was the total cost of the plan?

141) _____

- A) \$7104 B) \$6904 C) \$7004 D) \$6804

Answer: A

Diff: 0 Type: BI

142) Brandy's Gift House pays employees for each gift they gift wrap. Assume they are paid as follows:

142) _____

gifts 1-10 \$23 each

gifts 11-15 \$28 each

gifts 16 and up \$29 each

If Lee wraps 14 gifts, what are her gross earnings?

- A) \$322 B) \$342 C) \$392 D) \$346

Answer: B

Diff: 0 Type: BI

Round the figure to the nearest dollar.

143) \$339.02

143) _____

- A) \$339.10 B) \$338 C) \$340 D) \$339

Answer: D

Diff: 0 Type: BI

Express the number in words.

144) 739,060

144) _____

- A) seven thousand, thirty-nine hundred six
B) seven hundred thirty-nine thousand, sixty
C) seventy-three million, nine thousand, sixty
D) seventy-three thousand, nine hundred sixty

Answer: B

Diff: 0 Type: BI

Perform the multiplication.

$$\begin{array}{r} 0.804 \\ 145) \times 0.02 \\ \hline \end{array}$$

145) _____

- A) 0.0001608 B) 0.001608 C) 0.01608 D) 1.608

Answer: C

Diff: 0 Type: BI

Solve the problem.

- 146) A television offer advertised a set of knives for \$20 down and \$7 a month for 12 months. What is the total cost of the knives? 146) _____
A) \$94 B) \$84 C) \$114 D) \$104

Answer: D

Diff: 0 Type: BI

Round the number as requested.

- 147) 972 to the nearest thousand 147) _____
A) 1000 B) 100 C) 100,000 D) 10,000

Answer: A

Diff: 0 Type: BI

First use front-end rounding to write an estimate of the answer, and then multiply fully to obtain an exact answer.

- 148) Estimate Problem 148) _____

| | | | |
|----------|--|----------|-------|
| \times | | \times | 54.84 |
| | | | 32.21 |

- A) Estimate: 1500, exact: 1766.3964
C) Estimate: 150, exact: 17,663.964

- B) Estimate: 1510, exact: 1765.3964
D) Estimate: 150, exact: 176.63964

Answer: A

Diff: 0 Type: BI

Divide.

- 149) $42 \overline{)11,196}$ 149) _____
A) 24 B) 266 R24 C) 266 R20 D) 266

Answer: B

Diff: 0 Type: BI

Find the gross pay at the given rate. Round to the nearest cent.

- 150) 33.4 hours at \$13.25 per hour 150) _____
A) \$442.55 B) \$447.55 C) \$455.80 D) \$429.30

Answer: A

Diff: 0 Type: BI

Perform the indicated operation.

- 151) $6.6 \overline{)469}$ (Round to the nearest thousandths when necessary.) 151) _____
A) 71.561 B) 71.061 C) 7.106 D) 7.156

Answer: B

Diff: 0 Type: BI

Write the decimal using numbers.

- 152) eleven and one tenths 152) _____
A) 11.1 B) 11.001 C) 11.01 D) 0.111

Answer: A

Diff: 0 Type: BI

Multiply.

$$153) \begin{array}{r} 354 \\ \times 299 \\ \hline \end{array}$$

153) _____

A) 104,846

B) 105,846

C) 105,946

D) 115,846

Answer: B

Diff: 0 Type: BI

Solve the problem.

154) The following chart shows e-Train Company's expenses by department for each of the first six months of the year.

154) _____

| Department | Jan | Feb | Mar | Apr | May | Jun | Totals |
|------------|----------|----------|----------|----------|----------|----------|--------|
| Office | \$48,607 | \$25,765 | \$45,745 | \$43,099 | \$37,377 | \$47,137 | |
| Sales | \$68,991 | \$68,864 | \$52,943 | \$57,940 | \$52,531 | \$76,374 | |
| Production | \$21,200 | \$20,051 | \$26,462 | \$27,736 | \$36,997 | \$44,574 | |
| Totals | | | | | | | |

A)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | \$248,730 |
| | | | | | | \$378,643 |
| | | | | | | \$178,020 |
| \$138,798 | \$114,680 | \$125,150 | \$128,775 | \$126,905 | \$168,085 | \$805,393 |

B)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | \$246,730 |
| | | | | | | \$376,643 |
| | | | | | | \$176,020 |
| \$138,798 | \$114,680 | \$125,150 | \$128,775 | \$126,905 | \$168,085 | \$799,393 |

C)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | \$247,730 |
| | | | | | | \$377,643 |
| | | | | | | \$177,020 |
| \$138,798 | \$114,680 | \$125,150 | \$128,775 | \$126,905 | \$168,085 | \$802,393 |

D)

| Jan | Feb | Mar | Apr | May | Jun | Totals |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | \$200,593 |
| | | | | | | \$301,269 |
| | | | | | | \$132,446 |
| \$138,798 | \$114,680 | \$125,150 | \$128,775 | \$126,905 | \$168,085 | \$634,308 |

Answer: C

Diff: 0 Type: BI

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Provide an appropriate response.

155) Explain how you divide a decimal number by a power of ten.

155) _____

Answer: Move the decimal point to the left the number of places equal to the number of zeros in the power of ten.

Diff: 0 Type: SA

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Write the unit cost, rounded to the nearest cent.

- 156) If 17 notebooks cost \$25.08, then one notebook costs \$1.4753. 156) _____
 A) \$1.58 B) \$25.08 C) \$1.38 D) \$1.48

Answer: D
 Diff: 0 Type: BI

- 157) If 218 candy bars cost \$309.86, then one candy bar costs \$1.4214. 157) _____
 A) \$309.86 B) \$1.52 C) \$1.32 D) \$1.42

Answer: D
 Diff: 0 Type: BI

Solve the problem.

- 158) If the list price is \$25.57 and if \$13.38 is saved by buying from a discount catalog, what is the discount price for the item? 158) _____
 A) \$37.95 B) \$12.19 C) \$38.95 D) \$12.29

Answer: B
 Diff: 0 Type: BI

First use front-end rounding to write an estimate of the answer, and then subtract the decimals to obtain an exact answer.

- 159) Estimate Problem 159) _____

$$\begin{array}{r} \\ 92.72 \\ - 6.37 \\ \hline 86.35 \end{array}$$

- A) Estimate: 84, exact: 86.35 B) Estimate: 94, exact: 94.35
 C) Estimate: 94, exact: 96.45 D) Estimate: 84, exact: 86.45

Answer: A
 Diff: 0 Type: BI

Solve the problem.

- 160) Richard's team wants to plant 357 trees in 3 months. How many trees per month do they need to plant? 160) _____
 A) 119 trees B) 122 trees C) 238 trees D) 129 trees

Answer: A
 Diff: 0 Type: BI

Find the gross pay at the given rate. Round to the nearest cent.

- 161) 5.0 hours at \$8.01 per hour and 14.5 hours at \$13.10 per hour 161) _____
 A) \$240.10 B) \$240.00 C) \$220.00 D) \$230.00

Answer: D
 Diff: 0 Type: BI

Write the decimal using numbers.

- 162) fourteen and three hundredths 162) _____
 A) 14.3 B) 14.003 C) 14.03 D) 1403

Answer: C
 Diff: 0 Type: BI

Write the decimal in words.

163) 2.5

- A) two and five thousandths
C) two and five hundredths

- B) two and five millionths
D) two and five tenths

163) _____

Answer: D

Diff: 0 Type: BI

Solve the problem.

164) Alicia sold \$3918 of paintings at the art fair. If she sold 6 paintings total, and they all sold for the same amount, what was the price of one painting?

A) \$636

B) \$689

C) \$553

D) \$653

164) _____

Answer: D

Diff: 0 Type: BI

165) Lesley purchased office supplies for her business. She spent \$7 on paper, \$11 on pens, \$10 on folders, and \$91 on computer disks. What was the total amount that she spent?

A) \$119

B) \$115

C) \$108

D) \$124

165) _____

Answer: A

Diff: 0 Type: BI

Express the number in words.

166) 7240

A) seven thousand, two hundred four

C) seven thousand, two hundred forty

B) seventy two hundred four

D) seventy two thousand, forty

166) _____

Answer: C

Diff: 0 Type: BI

Round the number as requested.

167) 83,586 to the nearest ten

A) 83,600

B) 83,590

C) 83,690

D) 83,580

167) _____

Answer: B

Diff: 0 Type: BI

Write the decimal in words.

168) 8.97

A) eight and ninety-seven tenths

C) eight and ninety-seven thousandths

B) eight and ninety-seven hundredths

D) eight and ninety-seven millionths

168) _____

Answer: B

Diff: 0 Type: BI

Solve the problem.

169) Gina is buying a used car that has an advertised price of \$4500. She is buying the car on credit and must make a down payment of \$500 and 24 monthly payments of \$113. What is the total cost of the car?

A) \$2812

B) \$3212

C) \$3202

D) \$2712

169) _____

Answer: B

Diff: 0 Type: BI

Multiply.

$$170) \begin{array}{r} 7023 \\ \times 7314 \\ \hline \end{array}$$

170) _____

- A) 51,366,322 B) 51,376,222 C) 51,365,222 D) 51,366,222

Answer: D

Diff: 0 Type: BI

Write the unit cost, rounded to the nearest cent.

171) If 44 cheeseburgers cost \$57.01, then one cheeseburger costs \$1.2957.

171) _____

- A) \$1.20 B) \$1.30 C) \$1.40 D) \$57.01

Answer: B

Diff: 0 Type: BI

Perform the indicated operation.

172) $1.61 \div 0.048$ (Round to the nearest hundredths when necessary.)

172) _____

- A) 33.54 B) 3.4 C) 3.35 D) 34.04

Answer: A

Diff: 0 Type: BI

Multiply.

$$173) \begin{array}{r} 7009 \\ \times 600 \\ \hline \end{array}$$

173) _____

- A) 4,204,400 B) 4,206,400 C) 4,205,400 D) 4,215,400

Answer: C

Diff: 0 Type: BI

$$174) \begin{array}{r} 644 \\ \times 300 \\ \hline \end{array}$$

174) _____

- A) 193,200 B) 183,200 C) 191,200 D) 192,200

Answer: A

Diff: 0 Type: BI

Solve the problem.

175) Jessie has a ribbon that is 4.8 yards long. He wants to cut it into pieces that are 0.4 yards long. How many 0.4-yard pieces will he get from the ribbon?

175) _____

- A) 13 pieces B) 11 pieces C) 120 pieces D) 12 pieces

Answer: D

Diff: 0 Type: BI

176) A manager of a local restaurant had a bank balance of \$3613.68 on October 1. During October, the manager deposited \$52,334.19 received from sales, \$2119.80 received as credits from suppliers, and \$94.30 as a county tax refund. He paid out \$25,417.05 to suppliers, \$4187.22 for rent and utilities, and \$10,804.70 for salaries. What was the manager's final balance at the end of October?

176) _____

- A) \$10,525.64 B) \$17,753.00 C) \$54,548.29 D) \$14,139.32

Answer: B

Diff: 0 Type: BI

Perform the subtraction.

$$177) \begin{array}{r} 75,887 \\ - 1313 \\ \hline \end{array}$$

177) _____

A) 74,548

B) 75,574

C) 74,574

D) 74,568

Answer: C

Diff: 0 Type: BI

Solve the problem.

178) Jose Ramirez, a salesperson for a chemical company, travelled 1542 miles on Monday, 345 miles on Tuesday, and 2024 miles on Thursday. Find the total number of miles he travelled during these three days.

178) _____

A) 3221 mi

B) 3811 mi

C) 3911 mi

D) 3566 mi

Answer: C

Diff: 0 Type: BI

179) A grocer sold 23 bags of potatoes for \$1.13 each. What was the total amount of the sale?

179) _____

A) \$25.99

B) \$26

C) \$26.09

D) \$27.09

Answer: A

Diff: 0 Type: BI

Write the decimal in words.

180) 6.709

180) _____

A) six and seven hundred nine thousandths

B) six and seventy tenths and nine thousandths

C) six and seventy-nine thousandths

D) six and seventy thousand nine hundredths

Answer: A

Diff: 0 Type: BI

Perform the addition.

$$181) 22.05 + 113.9 + 7.01 + 0.0137 + 0.46$$

181) _____

A) 143.4337

B) 143.4063

C) 129.3863

D) 129.4137

Answer: A

Diff: 0 Type: BI

Solve the problem.

182) BT&T charges \$0.34 for the first minute and \$0.22 for each additional minute for a long-distance call. How much will a 10 minute long-distance call cost?

182) _____

A) \$3.40

B) \$2.20

C) \$2.32

D) \$2.54

Answer: C

Diff: 0 Type: BI

Perform the addition.

$$183) 9 + 3.18 + 0.371$$

183) _____

A) 6.191

B) 12.551

C) 5.449

D) 11.809

Answer: B

Diff: 0 Type: BI

First use front-end rounding to write an estimate of the answer, and then multiply fully to obtain an exact answer.

| | | | |
|------|-----------------|---|------------|
| 184) | Estimate | Problem | 184) _____ |
| | \times | \times | |
| | <u> </u> | $\begin{array}{r} 7.318 \\ \times 2.05 \\ \hline \end{array}$ | |

- | | |
|----------------------------------|----------------------------------|
| A) Estimate: 140, exact: 1500.19 | B) Estimate: 14, exact: 15.0019 |
| C) Estimate: 140, exact: 150.019 | D) Estimate: 1.4, exact: 1.50019 |

Answer: B
 Diff: 0 Type: BI

Solve the problem.

- 185) Gina is buying a used car that has an advertised price of \$2500. She is buying the car on credit and must make a down payment of \$1200 and 18 monthly payments of \$106. What is the total cost of the car? 185) _____
- | | | | |
|-----------|-----------|-----------|-----------|
| A) \$3108 | B) \$2606 | C) \$3002 | D) \$3214 |
|-----------|-----------|-----------|-----------|

Answer: A
 Diff: 0 Type: BI

- 186) Jack borrowed \$640 from his brother. Jack's brother wants 6 monthly payments of \$135 to repay the loan. How much extra is Jack's brother charging for the loan? 186) _____
- | | | | |
|----------|----------|---------|----------|
| A) \$170 | B) \$810 | C) \$35 | D) \$910 |
|----------|----------|---------|----------|

Answer: A
 Diff: 0 Type: BI

Round the number as requested.

- 187) 77,218 to the nearest hundred 187) _____
- | | | | |
|-----------|-----------|-----------|-----------|
| A) 77,210 | B) 77,100 | C) 77,200 | D) 77,300 |
|-----------|-----------|-----------|-----------|

Answer: C
 Diff: 0 Type: BI

Solve the problem.

- 188) If the temperature in the city has risen 3° each day, how much has it risen in 5 days? 188) _____
- | | | | |
|-------|--------|--------|--------|
| A) 8° | B) 15° | C) 25° | D) 18° |
|-------|--------|--------|--------|

Answer: B
 Diff: 0 Type: BI

- 189) Jose Ramirez, a salesperson for a chemical company, travelled 1425 miles on Monday, 322 miles on Tuesday, and 2125 miles on Thursday. Find the total number of miles he travelled during these three days. 189) _____
- | | | | |
|------------|------------|------------|------------|
| A) 3550 mi | B) 3872 mi | C) 3772 mi | D) 3228 mi |
|------------|------------|------------|------------|

Answer: B
 Diff: 0 Type: BI

Round the figure to the nearest dollar.

- 190) \$249.12 190) _____
- | | | | |
|----------|----------|-------------|----------|
| A) \$249 | B) \$250 | C) \$249.22 | D) \$248 |
|----------|----------|-------------|----------|

Answer: A
 Diff: 0 Type: BI

Divide.

191) $7 \overline{)417}$
A) 59

B) 59 R4

C) 59 R6

D) 63

191) _____

Answer: B

Diff: 0 Type: BI

Solve the problem.

192) Sales at Andrea's Formal Wear Shop were \$978 this week. This is \$184 less than the sales last week. What were last week's sales? 192) _____

A) \$1173

B) \$1151

C) \$794

D) \$1162

Answer: D

Diff: 0 Type: BI

193) A group of 4 people wants to buy a boat. The boat costs \$280. If they all pay the same amount, how much is each person's share? 193) _____

A) \$60

B) \$56

C) \$80

D) \$70

Answer: D

Diff: 0 Type: BI

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Provide an appropriate response.

194) What are the ways to round off a number? 194) _____

Answer: If the digit to the right of the one you are rounding to is 5 or larger add 1 to the digit you are rounding to. If the digit is 4 or smaller, do not change it. Drop all digits to the right of the digit you are rounding to. Replace each dropped digit to the left of the decimal point, if any, with 0. Another way is truncation. Drop all the digits to the right of a given decimal place.

Diff: 0 Type: SA

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Express the number in words.

195) 87,000,923 195) _____

A) eighty-seven million, nine hundred twenty-three

B) eight million, seven hundred thousand, nine hundred twenty-three

C) eighty-seven million, nine thousand, twenty-three

D) eighty-seven thousand, nine hundred twenty-three

Answer: A

Diff: 0 Type: BI

Perform the addition.

196)

$$\begin{array}{r} 69,719 \\ 86,428 \\ + 253,518 \\ \hline \end{array}$$

196) _____

A) 339,936

B) 409,665

C) 236,809

D) 409,565

Answer: B

Diff: 0 Type: BI

Perform the subtraction.

$$\begin{array}{r} 6865 \\ 197) \underline{- 1252} \end{array}$$

197) _____

A) 5613

B) 5509

C) 5609

D) 6613

Answer: A

Diff: 0 Type: BI

First use front-end rounding to write an estimate of the answer, and then add the decimals to obtain an exact answer.

198) Estimate Problem

198) _____

$$\begin{array}{r} 8.2 \\ 2.5228 \\ + \underline{\hspace{1.5cm}} \\ + 5.5295 \end{array}$$

A) Estimate: 17, exact: 16.2523

B) Estimate: 16, exact: 16.2423

C) Estimate: 15, exact: 15.2423

D) Estimate: 15, exact: 15.2523

Answer: A

Diff: 0 Type: BI

Solve the problem.

199) David's company has to ship 2750 boxes of sprinklers. If a truck can hold 550 boxes, how many truckloads does he need to ship all the boxes?

199) _____

A) 6 truckloads

B) 5 truckloads

C) 3 truckloads

D) 4 truckloads

Answer: B

Diff: 0 Type: BI

Multiply.

$$\begin{array}{r} 673 \\ 200) \times 800 \end{array}$$

200) _____

A) 538,400

B) 548,400

C) 539,400

D) 537,400

Answer: A

Diff: 0 Type: BI

Perform the multiplication.

$$\begin{array}{r} 34.3 \\ 201) \times 3.7 \end{array}$$

201) _____

A) 127.02

B) 38

C) 128.01

D) 126.91

Answer: D

Diff: 0 Type: BI

Round the amount to the nearest cent.

202) \$69.49200

202) _____

A) \$69.50

B) \$69.49

C) \$69.48

D) \$69.489

Answer: B

Diff: 0 Type: BI

Multiply, omitting zeros in the calculation and then replacing them at the right of the product to obtain the final answer.

203)

$$\begin{array}{r} 400 \\ \times 200 \\ \hline \end{array}$$

203) _____

- A) 90,000 B) 79,000 C) 81,000 D) 80,000

Answer: D

Diff: 0 Type: BI

Perform the subtraction.

$$\begin{array}{r} 689,347 \\ 204) - 568,346 \\ \hline \end{array}$$

204) _____

- A) 1,257,693 B) 689,447 C) 121,001 D) 111,001

Answer: C

Diff: 0 Type: BI

First use front-end rounding to write an estimate of the answer, and then subtract the decimals to obtain an exact answer.

205)

Estimate Problem

205) _____

$$\begin{array}{r} \\ - \\ \hline \end{array}$$

- A) Estimate: 14, exact: 13.44 B) Estimate: 17, exact: 13.46
C) Estimate: 17, exact: 13.34 D) Estimate: 17, exact: 13.44

Answer: C

Diff: 0 Type: BI

Perform the indicated operation.

$$206) 111.17 \div 8.5 \text{ (Round to the nearest hundredths when necessary.)}$$

206) _____

- A) 1.31 B) 13.58 C) 13.08 D) 1.36

Answer: C

Diff: 0 Type: BI

Divide.

$$207) \overline{7)128}$$

207) _____

- A) 18 B) 18 R2 C) 20 D) 18 R6

Answer: B

Diff: 0 Type: BI

Round the amount to the nearest cent.

$$208) \$76.2252$$

208) _____

- A) \$76.22 B) \$76.2 C) \$76.23 D) \$76.24

Answer: C

Diff: 0 Type: BI

Solve the problem.

209) The original price on a shirt is \$13.82. If you receive a \$3.59 discount, how much does the shirt cost? 209) _____
A) \$16.82 B) \$17.41 C) \$10.23 D) \$10.82

Answer: C

Diff: 0 Type: BI

210) John earns \$9.30/hour. If he works 10 hours, how much will he earn? 210) _____
A) \$93.00 B) \$93.01 C) \$94.10 D) \$93.10

Answer: A

Diff: 0 Type: BI

Answer Key
Testname: CH1

- 1) C
- 2) D
- 3) B
- 4) C
- 5) B
- 6) C
- 7) C
- 8) C
- 9) A
- 10) A
- 11) A
- 12) B
- 13) B
- 14) A
- 15) B
- 16) D
- 17) A
- 18) A
- 19) A
- 20) C
- 21) B
- 22) C
- 23) C
- 24) D
- 25) B
- 26) C
- 27) D
- 28) C
- 29) B
- 30) D
- 31) C
- 32) B
- 33) D
- 34) D
- 35) A
- 36) C
- 37) B
- 38) B
- 39) A
- 40) D
- 41) D
- 42) A
- 43) B
- 44) C
- 45) C
- 46) D
- 47) A
- 48) A
- 49) A
- 50) A

Answer Key
Testname: CH1

- 51) B
- 52) C
- 53) C
- 54) C
- 55) C
- 56) C
- 57) B
- 58) C
- 59) D
- 60) C
- 61) D
- 62) A
- 63) C
- 64) D
- 65) D
- 66) A
- 67) A
- 68) D
- 69) C
- 70) C
- 71) B
- 72) C
- 73) A
- 74) A
- 75) C
- 76) D
- 77) C
- 78) B
- 79) A
- 80) It helps reduce errors by making it easier to see which column a digit is in.
- 81) D
- 82) B
- 83) B
- 84) C
- 85) C
- 86) A
- 87) C
- 88) D
- 89) A
- 90) B
- 91) A
- 92) D
- 93) B
- 94) A
- 95) D
- 96) C
- 97) B
- 98) B
- 99) B

Answer Key

Testname: CH1

- 100) The division of the numerator and denominator of a fraction terminates by giving a remainder of 0 as you carry out the division. A repeating decimal has one or more digits repeat over and over as you carry out the division.
- 101) D
102) D
103) C
104) C
105) A
106) B
107) B
108) D
109) A
110) C
- 111) The number of decimal places in the product is found by adding the number of decimal places in each factor.
- 112) A
113) A
114) B
115) B
116) D
117) C
118) D
119) B
- 120) Move the decimal point to the right the number of places equal to the number of zeros in the power of ten.
- 121) D
122) A
- 123) It keeps digits with like place values in the same column. This is important because you subtract in division, and like named digits must be in the same column.
- 124) D
125) B
126) B
127) C
128) A
129) D
130) C
131) D
132) B
133) A
134) D
135) C
136) C
137) A
138) C
139) C
140) D
141) A
142) B
143) D
144) B
145) C
146) D
147) A

Answer Key
Testname: CH1

- 148) A
- 149) B
- 150) A
- 151) B
- 152) A
- 153) B
- 154) C
- 155) Move the decimal point to the left the number of places equal to the number of zeros in the power of ten.
- 156) D
- 157) D
- 158) B
- 159) A
- 160) A
- 161) D
- 162) C
- 163) D
- 164) D
- 165) A
- 166) C
- 167) B
- 168) B
- 169) B
- 170) D
- 171) B
- 172) A
- 173) C
- 174) A
- 175) D
- 176) B
- 177) C
- 178) C
- 179) A
- 180) A
- 181) A
- 182) C
- 183) B
- 184) B
- 185) A
- 186) A
- 187) C
- 188) B
- 189) B
- 190) A
- 191) B
- 192) D
- 193) D
- 194) If the digit to the right of the one you are rounding to is 5 or larger add 1 to the digit you are rounding to. If the digit is 4 or smaller, do not change it. Drop all digits to the right of the digit you are rounding to. Replace each dropped digit to the left of the decimal point, if any, with 0. Another way is truncation. Drop all the digits to the right of a given decimal place.

Answer Key
Testname: CH1

- 195) A
- 196) B
- 197) A
- 198) A
- 199) B
- 200) A
- 201) D
- 202) B
- 203) D
- 204) C
- 205) C
- 206) C
- 207) B
- 208) C
- 209) C
- 210) A